

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference P86757	FOR FURTHER ACTION see Form PCT/ISA/220 as well as, where applicable, item 5 below.	
International application No. PCT/JP2004/010777	International filing date (day/month/year) 22/07/2004	(Earliest) Priority Date (day/month/year) 31/07/2003
Applicant YAZAKI CORPORATION		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 4 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

- a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

- b. ☐ With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, see Box No. I.

2. ☐ **Certain claims were found unsearchable** (See Box II).

3. ☐ **Unity of invention is lacking** (see Box III).

4. With regard to the title,

☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority to read as follows:

5. With regard to the abstract,

☐ the text is approved as submitted by the applicant.

☒ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regards to the drawings,

- a. the figure of the **drawings** to be published with the abstract is Figure No. 1

☒ as suggested by the applicant.

☐ as selected by this Authority, because the applicant failed to suggest a figure.

☐ as selected by this Authority, because this figure better characterizes the invention.

- b. ☐ none of the figures is to be published with the abstract.

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International application No.

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Box No. IV Text of the abstract (Continuation of item 5 of the first sheet)

A junction block, in which the total structure and circuit connection structure are compact and highly dense, respectively, is provided. A junction block (1) includes : an inner cover (2); connector blocks (3, 4) and a power block (5) disposed outside the inner cover; and busbars (49) and wiring module disposed being piled up within a space surrounded by the connector blocks and the power block, wherein terminals (8b) of the connector blocks, terminals (89) of the power block and terminals (49b, 49c) of the busbars are connected to the wiring module. The wiring module consists of a random wiring module (52) and a cross wiring module (56). The terminals (8b, 49c, 89) are connected to ends of the wiring modules (52, 56) and part of the terminals (49b) of the busbars (49) are connected to a middle part of the random wiring module (52) situated as a lower layer in the space. The terminals (8b, 89) are arranged in a plurality of steps, wherein the terminals arranged in a lower step are connected to a narrow lower wiring module (52) while the terminals arranged in an upper step are connected to a wide upper wiring module (56).

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International Application No
PCT/JP2004/010777A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H02G3/16 B60R16/02

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 H02G B60R H01R

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 1 180 818 A (AUTONETWORKS TECHNOLOGIES LTD ; SUMITOMO WIRING SYSTEMS (JP); SUMITOMO) 20 February 2002 (2002-02-20) the whole document -----	1,9

☐ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *Z* document member of the same patent family

Date of the actual completion of the international search

12 October 2004

Date of mailing of the international search report

21/10/2004

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INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/JP2004/010777, a . 0

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 1180818	A	20-02-2002	JP 2002058134 A	22-02-2002
			DE 60102758 D1	19-05-2004
			EP 1180818 A2	20-02-2002
			US 2002022387 A1	21-02-2002
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